

Manage High Value Assets Throughout the Supply Chain with **SICCAR**

Working with multiple organisations within a complex, high-value supply chain can be costly, time consuming and inefficient. Operators, suppliers and contractors must preserve their commercially sensitive, competitive data yet share asset data to maintain integrity and compliance.

A consortium including National Manufacturing Institute of Scotland, Chevron, Baker Hughes and Lloyds Register applied the **SICCAR** platform to digitise a critical asset's Manufacturing Record Book in the energy sector. A standard Manufacturing Record Book produces hundreds of pieces of unsearchable paper records. These paper records lead to restrictions in data and supply chain governance, which increases process risk and uncertainty. This results in manual processing and per year can lead to in significant delays:



Delay due to data errors:



Manual data processing time per year.

The **SICCAR** platform provides a secure and trusted ledger relating to all aspects of high-value assets as they progress through the supply chain into commissioning and operation. A digital Manufacturing Record Book is a simplified and standardised approach to collection, verification and approval of data and records in the energy sector. By digitising this part of the supply chain, paper waste and inefficiency is drastically reduced.

All organisations in a manufacturing supply chain add to a critical asset's manufacturing record book – creating a traceable, timestamped and searchable history of the asset's whole life. With granular data permissioning, all organisations can contribute their relevant asset data without disclosing commercially sensitive information. These efficiency gains:



Reduction of manual data process costs.



Reduction of an asset's lifetime cost of ownership.

“Participants in a B2B network might be extremely sensitive about how much information they share. With <this technology>, a business network can be designed in a way that supports the confidentiality requirements, understanding which network participant has cyber-secure access to what data under which conditions.” – Rory Ingram, Design Engineering Team Lead

Keep secure, complete and searchable records covering all aspects of your supply chain with **SICCAR**

Make your supply chain more robust against subversion or attack with our cyber-resilient technology that compounds over time. This protection also applies to privacy and confidentiality of commercially sensitive data without compromising on collaboration.



**UNPRECEDENTED
PROTECTION**

SICCAR lets you efficiently manage and accurately track the provenance of all data in a supply chain. Easily show ‘chain of custody’ in highly regulated processes.



**AUTOMATE
RECONCILIATION**

SICCAR enables all organisations to create and review ‘digital twins’ of an asset’s journey and records as it progresses through the supply chain. This improves transparency and speed, and significantly reduces operating costs.



**IMPROVE
TRANSPARENCY & SPEED**

By anonymising cyber security reporting, companies in competition aren’t reluctant to share individual cyber security concerns or breaches. **SICCAR** enables more timely and detailed cyber security reporting, which benefits the entire sector as well as mitigating damage for the individual company.



**CYBER
SECURE**